



# भारत का राजपत्र

## The Gazette of India

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No. 8] NEW DELHI, SATURDAY, FEBRUARY 19, 1994 (MAGHA 30, 1915)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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PATENTS AND DESIGNS

Calcutta, the 19th February 1994

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Telegraphic address "PATENTOFIC".

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Madras-600 002.

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and the Union Territories of  
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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th  
Floor, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

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एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 19 फरवरी 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कनकड़ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्राथमिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रवर्धित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,  
तीसरा तल, लोकर परदे (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पोवा, दमन तथा  
दीप एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
एकक सं 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिक”

पेटेंट कार्यालय शाखा,

61, बालाशाह रोड,

मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, कोरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिन्निकाश तथा एमिनिविधि द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अर्ज-  
क्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नवम्बर की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भगतान योग्य धनादेश अथवा  
डाक आवेदन या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भगतान योग्य बैंक ड्राफ्ट  
अथवा बैंक द्वारा की जा सकती है ।

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE AT 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent branch are the dates  
claimed under section 135, of the Patent Act, 1970.

3rd January 1994

1/Cal/94. Teijin Seiki Co., Ltd., Apparatus for heating syn-  
thetic yarns.

2/Cal/94. Phillips Petroleum Company. Water-Dispersible  
Particulate polymeric composition.

3/Cal/94. PPG Industries, Inc. Non-formaldehyde Durable  
press finishing with Cellulosic Textiles with phos-  
phonoalkylpolycarboxylic acid.

4/Cal/94. PPG Industries, Inc. Non-Formaldehyde Durable  
press finishing with cellulosic textiles with phos-  
phinoalkylpolycarboxylic acid.

5/Cal/94. Indian Jute Industries' Research Association. An  
Improved method of manufacture of Hemmed  
Jute Sacking Bag and to a Bag so produced.

6/Cal/94. ITT Flygt AB. Waste, Water Pump Station.

4th January, 1994

7/Cal/94. High Ground Clearance Vehicle suspension.

6th January, 1994

8/Cal/94. McNeil-PPC, Inc. Methods and apparatus for  
creating a Gelatin Coating.

9/Cal/94. Etablissements Bardin. Transformer, Especially a  
Measurement Transformer, for Detecting Faults  
on Electrical Cables, for Example.

7th January, 1994

10/Cal/94. Dr. Smt. Lakshmi Niyati Sarker. A process for  
preparing a medicinal oil for treatment of a  
variety of connective tissue diseases.

10th January, 1994

11/Cal/94. Bibek Narayan Nandi. A mechanical process to  
drive any device and/or any art provided with  
that arrangement so as not to use the scarce con-  
sumables and/or also to generate electricity in-  
curring lesser cost of consumption to meet the  
purposes thereof.

12/Cal/94. Ramnarayan Chakraborty. Chimney.

13/Cal/94. McNeil-PPC, Inc. Tablet Dipping Systems for  
apparatus for gelatin coating tablets.

14/Cal/94. McNeil-PPC, Inc. Discharge and transfer system  
for apparatus for gelatin coating tablets.

15/Cal/94. McNeil-PPC, Inc. Drying systems for apparatus  
for Gelatin coating tablets.

10th January, 1994

- 16/Cal/94. Mc-Neil-PPC, Inc. Indexing and Feeding systems for Gelatin Coating Tablets.

11th January, 1994

- 17/Cal/94. Santanu Roy. A Novel Process for making new polymeric intermediates and products made therefrom resembling natural wood or Timber.
- 18/Cal/94. Cascami Seta-Filature Seriche Riunite SPA. Method to recover sericin dissolved in degumming baths, plant to carry out such method and sericin thus obtained.
- 19Cal/94. Dr. (Ms.) Amrita Patel & National Dairy Development Board. Process for preparing shaped animal feed in the form of solid block lick.

12th January, 1994

- 20/Cal/94. General Electric Company. Spin/Stall Detector for an Electrically propelled Traction Vehicle. (Divided out of No. 911/Cal/89; antedated to 31-10-89).
- 21/Cal/94. The Nash Engineering Company. Liquid ring pumps with rotating liners.
- 22/Cal/94. Paramount Die Co. Inc. Wire Drawing die Assembly.

13th January, 1994

- 23/Cal/94. The Babcock & Wilcox Company. Cost Reduction of wet FGD system with a tray.

14th January, 1994

- 24/Cal/94. Indian Jute Industries Research Association. Auto Receiving Device for Jute Cloth Cutting Machine.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13

8th December 1993

- 413 Bom/93. Mintage Consultants Pvt. Ltd. Rotary positive displacement machine.
- 414/Bom/93. Hindustan Lever Ltd. G.B. Priority dt. 14-12-92. Detergent production.
- 415/Bom/93. Hindustan Lever Ltd. Methylbutoxy-propionitriles.
- 416/Bom/93. Hindustan Lever Ltd. U.K. Priority dt. 8-12-92. Detergent compositions.

9th December 1993

- 417/Bom/93. Pest Control (India) Ltd. A moth breeding unit.
- 418/Bom/93. Larsen & Toubro Ltd. A coil feeder for a mechanical power press.
- 419/Bom/93. Renk Aktiengesellschaft. An improved sliding bearing with a bearing cup and method of producing the same.
- 420/Bom/93. Tukaram Kundlik Dhonde. A two segmented crawler type tractor.

13th December, 1993

- 421/Bom/93. Lupin Laboratories Ltd. An improved process for preparation of 3-exomethylene cepham sulfide esters.
- 422/Bom/93. Dilip Shantaram Dahanukar. Process for manufacturing and using organic manure in agricultural applications.
- 423/Bom/93. Indo-Biotech Foods Limited. Process for manufacturing spiced edible oils.

16th December 1993

- 424/Bom/93. Eagle Flask Industries Ltd. Thermally insulated containers.
- 425/Bom/93. Chandrakant Lalji Gala. A device for cleaning flat surfaces.

17th December, 1993

- 426/Bom/93. Zuari Agro Chemicals Limited. Process of enriching lean natural gas.

APPLICATIONS FOR THE PATENT FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 23rd August, 1993

- 905/Del/93. Council of Scientific & Industrial Research, "A process for the manufacture of oil containing gamma-linolenic acid by *Mortierella* sp.
- 906/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of implant for use in maxillofacial surgery, jaw bone restoration and repairing the introbony defects & the like."
- 907/Del/93. Council of Scientific and Industrial Research, "An improved process for the preparation of silicon wafer containing tungsten disilicide film useful for making integrated circuits & related devices"
- 908/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of non-melting thermally stable liquid crystalline polymers."
- 909/Del/93. Council of Scientific and Industrial Research, "A process for the synthesis of 3, 4, 6-trisubstituted -2H-pyran-2-ones having hepatoprotective activity."
- 910/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of 17  $\beta$ -acetoxy-21-hydroxy-pregnene-3, 20-dione by biotransformation."
- 911/Del/93. Council of Scientific and Industrial Research, "An improved process for the preparation of thioamides from carboxylic acids."
- 912/Del/93. Council of Scientific and Industrial Research, "A composition useful for the production of tracing paper, a process for the production of tracing paper using the composition and the tracing paper prepared thereby."
- 913/Del/93. Walter Holzer, "Compact fluorescent lamp."
- 914/Del/93. Antonio Henrique Kramer, "A metallic can seaming process."
- 915/Del/93. National Research Development Corporation, "A process for the manufacture of potassium sulphate-ammonium sulphate fertilizer, ammonium alum, ferrous chloride and amorphous silica from biotite mica."
- 916/Del/93. National Research Development Corporation, "A process for the manufacture of potassium chloride, ammonium alum, ferrous chloride and amorphous silica from biotite mica."
- 24th August, 1993
- 917/Del/93. Rohm and Haas Company, "Multi-stage polymers having alkali-soluble and alkali-insoluble stages."
- 918/Del/93. Rohm and Haas Company, "Acrylic caulking or sealing composition."
- 919/Del/93. Sony Corporation, "Data destruction preventing method, recording apparatus provided with data destruction preventing capability, and disc recorded with guard band."

25th August, 1993

- 920/Del/93. Rawell Group Holdings Limited, "Material." (Convention date 26-08-92 and 10-05-93) U.K.
- 921/Del/93. Bausch & Lomb Incorporated, "Method of cleaning laser ablation debris."
- 922/Del/93. Magna-Lab Inc., "Permanent magnetic structure."
- 923/Del/93. Dorr-Oliver Incorporated, "Constant Underflow Control for Nozzle Centrifuges."

26th August, 1993

- 924/Del/93. I Vijay Vasant Deshpandey, "Electric milk cooker with automatic turn off."
- 925/Del/93. S. Manjit Singh and S. Bhupinder Singh, "A fuel saving device."
- 926/Del/93. National Institute of Immunology, "Novel method for the prevention and/or treatment of cancer."
- 927/Del/93. Landis & Gyr Business Support AG, "Device for detecting attempts at fraud on an apparatus for reading and writing on a chip card."
- 928/Del/93. Bausch & Lomb Incorporated, "Symmetric sweep scanning technique for laser ablation."
- 929/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of precipitated silica."
- 930/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of precipitated silica."
- 931/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of sodium silicate solution."

27th August, 1993

- 932/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of cement."
- 933/Del/93. Bausch & Lomb Incorporated, "Symmetric sweep scanning technique for laser ablation."
- 934/Del/93. Rem Chemicals, Inc., "A composition for use in the physicochemical refinement of magnetic stainless steel surfaces and a process for preparing it."
- 935/Del/93. BP Chemicals Limited, "Catalyst Compositions and process for preparing polyolefins." (Convention date 4th September, 92 and 20th April 93) U.K.
- 936/Del/93. BP Chemicals Limited, "Catalyst compositions and process for preparing polyolefins." (Convention date 4th September, 92 and 23rd March, 93) U.K.
- 937/Del/93. The Procter & Gamble Company, "Liquid or gel dishwashing detergent containing alkyl ethoxy carboxylate divalent ions and alkylpolyethoxypolycarboxylate."
- 938/Del/93. The Procter & Gamble Company, "Liquid or gel dishwashing detergent containing a polyhydroxy fatty acid amide, calcium ions and an alkylpolyethoxypolycarboxylate."
- 939/Del/93. The Procter & Gamble Company, "Liquid or gel dishwashing detergent containing alkylamphocarboxylate acid and magnesium or calcium ions."
- 940/Del/93. The Procter & Gamble Company, "Improved freezer personal cleansing bar with selected fatty acid soaps form improved mildness and good lather."
- 941/Del/93. The Procter & Gamble Company, "Improved personal cleansing freezer bar with selected fatty acid soaps an synthetic surfactant for reduced bathtub ring, Improved mildness, and good lather."

30th August, 1993

- 942/Del/93. Honda Giken Kogyo Kabushiki Kaisha, "Carrier device for motor-bicycle."
- 943/Del/93. Honda Giken Kogyo Kabushiki Kaisha, "Motor-cycle tail-light mounting structure."
- 944/Del/93. Honda Giken Kogyo Kabushiki Kaisha, "Intake device for motorcycle."
- 945/Del/93. Honda Giken Kogyo Kabushiki Kaisha, "Head-light mounting structure for motor-bicycle."
- 946/Del/93. Bausch & Lomb Incorporated, "Scanning technique for laser ablation."
- 947/Del/93. Honda Giken Kogyo Kabushiki Kaisha, "Rear grip device for motor-bicycle."
- 948/Del/93. Honda Giken Kogyo Kabushiki Kaisha, "A vehicular body mooring hook for a scooter-type vehicle."

01st September, 1993

- 949/Del/93. C. S. Prasanna Kumar and Sh. S. P. Sabbarwal, "An electronic starting circuit L-C Ballasts."
- 950/Del/93. C. S. Prasanna Kumar and Sh. S. P. Sabbarwal, "Die design for economical E. type stampings."
- 951/Del/93. The Procter & Gamble Company, "Process for making high density granular detergent and compositions made by the process." (Convention date 1st September, 92 and 18th February, 93) U.K.
- 952/Del/93. The Procter & Gamble Company, "Upright liquid containing container system with self seal valve." (Convention date 10th September, 1992) U.K.
- 953/Del/93. The Whitaker Corporation, "Tape filter and method of applying same to an electrical connector."
- 954/Del/93. Norsk Hydro a.s., "Method for production of silane containing crosslinked pvc copolymer."
- 955/Del/93. Kraft General Foods, Inc. "Method for manufacture of skim milk cheese."
- 956/Del/93. CSIR, "Synchronised electronic identification system."
- 957/Del/93. The Procter & Gamble Company, "Paper products containing a chemical softening composition."
- 958/Del/93. Council of Scientific and Industrial Research, "An improved compression moulding machine."
- 959/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of monolith support for incorporating a catalyst."
- 960/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of an improved catalyst."
- 961/Del/93. Council of Scientific and Industrial Research, "An improved device for the removal of pollutants from gases."
- 962/Del/93. Council of Scientific and Industrial Research, "An improved device for the reduction of smoke emitting from the vehicles driven by engines using diesel."

2nd September, 1993

- 963/Del/93. The Director Research Designs & Standards Organisation, Government of India, M/O Railways, "A pin type foldable locking device."
- 964/Del/93. Department of Atomic Energy an Autonomous Body, (Government of India), "A process for the preparation of low density polyethylene (LDPE) Foam."

- 965/Del/93. Department of Atomic Energy an Autonomous Body, Government of India, "A process for the preparation of low density polyethylene (LDPE) Foam."
- 966/Del/93. Department of Atomic Energy an Autonomous Body, Government of India, "A process for the preparation of low density polyethylene (LDPE) Foam."
- 967/Del/93. Alliedsignal Europe Services Techniques, "Pneumatic Booster."
- 968/Del/93. Alliedsignal Europe Services Techniques, "Boosted Brake Device with Hydraulic Reaction and Concealed Travel."
- 969/Del/93. Gebrüder Suckert+Franz Müller GMBH & Co., "Oxidation section for Indigo Dyeing and Method of Operating the Oxidation Section."
- 970/Del/93. Satkaran Singh, "Improved Voltage Regulator Circuit for Alternators for use in Automobiles"
- 971/Del/93. Harcharan Singh, C O M/S. Wisdom Industries, "Improved Knitting Machine Carriage."

31d September, 1993

- 972/Del/93. Krishan Dev Kalra, "Improvements in or Relating to Methods of Obtaining Perpetual Energy."
- 973/Del/93. The Lubrizol Corporation, "Copper-Containing Aromatic Mannich Complexes and Concentrates and Diesel Fuels Containing Same."
- 974/Del/93. Bayer Aktiengesellschaft, "A Process for the Preparation of Adipic Acid and other Aliphatic Dibasic Acids."
- 975/Del/93. Bayer Aktiengesellschaft, "A Recycling Process for the Production of Adipic and other Aliphatic Dibasic Acids."

6th September, 1993

- 976/Del/93. Saral Srivastava, an Indian National residing at C-20, N.P.L. Colony, New Delhi-110060, "an improved portable air-filling device."
- 977/Del/93. The Procter & Gamble Company, "Individually wrapped disposable absorbent article which becomes elasticized when unwrapped"
- 978/Del/93. The Procter & Gamble Company, "Method for continuously attaching a restrained elastic material to an absorbent article."
- 979/Del/93. The Procter & Gamble Company, "Ink Reservoir Baffle."
- 980/Del/93. The Procter & Gamble Company, "Mild, substantially colorless shampoo composition."
- 981/Del/93. The Procter & Gamble Company, "Absorbent articles having multiple cores for improved fluid movement."
- 982/Del/93. The Procter & Gamble Company, "Absorbent articles having improved longitudinal fluid movement."
- 983/Del/93. The Procter & Gamble Company, "Fluid accepting, transporting, and retaining structure."
- 984/Del/93. National Research Development Corporation, Government of India Enterprise of 20-22 Zamrudpur Community Centre, Kailash Colony, New Delhi-110048, India, "A Glucose sensor."

7th September, 1993

- 985/Del/93. Motorola Inc., "AM-FM combined stereo receiver."
- 986/Del/93. Motorola Inc., "AM-FM combined stereo receiver."

- 987/Del/93. Motorola Inc., "AM-FM combined stereo receiver."
- 988/Del/93. Vishal Malhotra & Anil Malhotra, "Movable Jaw Type Safety Helmet."
- 989/Del/93. Rodger C. Finvold & Paul E. Homphrey, "Earth Gyro Power Transducer."

8th September, 1993

- 990/Del/93. Council of Scientific & Industrial Research, "A process for the modification of pentasil zeolite catalyst useful for the preparation of 2-Picoline selectively."
- 991/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of Jojoba Estolide having improved pour point and long chain fatty acids from Jojoba oil."
- 992/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of Jojoba oil analogues from non edible seed oils."
- 993/Del/93. Council of Scientific and Industrial Research, "A process for the manufacture of refractory fireclay bricks from low-grade fireclays."
- 994/Del/93. Council of Scientific and Industrial Research, "An improved process for the treatment of wastewater from tanneries."
- 995/Del/93. Council of Scientific and Industrial Research, "An improved process for the preparation of 7-ethyl-2-hydroxy-2-methyl-6H-pyrimidin-6-one (Centperazine)."
- 996/Del/93. Council of Scientific and Industrial Research, "A Foil Journal bearing having straight foils useful for providing support for high speed rotors and a process for the fabrication of the said bearing."
- 997/Del/93. Council of Scientific and Industrial Research, "An improved process for the production of zinc sulphate from zinc silicate ore."
- 998/Del/93. Tejpal Singh Kang, "Electronic heating device (Linear configuration)."
- 999/Del/93. Tejpal Singh Kang, "Electronic heating device (Rotary configuration)."
- 1000/Del/93. The Whitaker Corporation, "Electrical Connector."
- 1001/Del/93. The General Hospital Corporation, "Generation of Nitric Oxide from air for medical uses."
- 1002/Del/93. Barry George Blundell, "A three-dimensional display system." (Convention date 10th September, 92 and 9th August 92)-NZ.
- 1003/Del/93. BP Chemicals Limited, "Novel Derivatives of Poly (ISO) Butene." (Convention date 9th September 92, 12th December 92 and 1st March 93)-U.K.

9th September, 1993

- 1004/Del/93. National Plastic Product, "An apparatus for quick drying of washed and wet fruits and vegetables."
- 1005/Del/93. Ashok Kumar Rai, "A ballot paper stamping and vote casting machine."
- 1006/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of precipitated silica."
- 1007/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of precipitated silica."
- 1008/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of Sodium silicate solution."
- 1009/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of precipitated silica."

9th September 1993

- 1010/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of precipitated silica."
- 1011/Del/93. Shriram Institute for Industrial Research, "A process for the preparation of precipitated silica."
- 1012/Del/93. Motorola Inc., "Reliable message communication System."

10-09-93

- 1013/Del/93. Bal Krishan Gupta, Vikram Gupta and Aditya Gupta, "Gas Cylinder Leak Detector."
- 1014/Del/93. GEC Alsthom & D SA., "A modular station of the metal-clad type and of reduced size, with a shortened set of busbars."
- 1015/Del/93. Cogifer-Compagnie Generale D'Installations Ferroviaires, "Seat for the movable point in a cradle of a crossing frog incorporated in long welded rails and process for the production of such a seat."
- 1016/Del/93. Imperial Chemical Industries PLC., "Catalyst production." (Convention date 17th September 1992)-U.K.

- 1017/Del/93. British Technology Group Limited, "Pesticidal Fluoroolefins." (Convention date 16th September 92.)-U.K.

13-09-93

- 1018/Del/93. Council of Scientific & Industrial Research, "An improved process for the isolation of Asiaticoside, useful as an antileprotic agent from centella asiatica."
- 1019/Del/93. Council of Scientific and Industrial Research, "An improved process for the conversion of poly (ethylene terephthalate) (pet) waste to poly (alkylene terephthalate) useful as an engineering thermoplastic."
- 1020/Del/93. UOP, "Improved process for alkylation of aromatics with linear olefins derived from a linear paraffin dehydrogenation step."
- 1021/Del/93. The Procter & Gamble Company, "Absorbent article with dynamic elastic feature comprising elasticized hip panels."
- 1022/Del/93. Institut National Polytechnique De Toulouse (I.N.P.T.), "Autoclave and Tumblers for said autoclave."
- 1023/Del/93. Dowmex Pty Ltd. Aen 010996 915, "Method and apparatus for disposal and treatment of Waste." (Convention date 14th September 1992.)-AU.

14-09-93

- 1024/Del/93. Ranpak Corporation, "Paper cushioning product."
- 1025/Del/93. Chief Controller of Research and Development, Research and Development Organisation, Ministry of Defence, New Delhi-11, Indian, "A GCFL Medium for rapid determination of total coliforms and faecal coliforms in drinking water."
- 1026/Del/93. Modi Xerox Limited, "A process for recovery of a mixture of selenium, arsenite and tellurium from a mask strip effluent."
- 1027/Del/93. Surender Kumar, N. Sivar, P. Barar and A. K. Mukherjee, "A process of manufacturing of microbiocidal penta-iodide ion-exchange Resin."
- 1028/Del/93. Nuchem Limited, "A process for preparation of Micro-Biologically active ion-exchange resin."
- 1029/Del/93. Honeywell Inc., "Structured Multiple-input Multiple-output rate-optimal controller."

- 1030/Del/93. The Whitaker Corporation, "Dual Read-out Simm socket for high electrical speed applications."

- 1031/Del/93. The Whitaker Corporation, "Cartridge for explosively operated industrial tools."

- 1032/Del/93. The Whitaker Corporation, "Communications connector terminal arrays having noise cancelling capabilities."

15-09-93

- 1033/Del/93. Sah Industrial Research Institute, "Desk Fan."
- 1034/Del/93. Courtaulds Fibres Limited, "Forming solutions." (Convention date 17th September 92.)-U.K.
- 1035/Del/93. Nicholas A. Rodgers, "Signalling Footwear." (Convention date 15th September 92.)-CA.
- 1036/Del/93. Motorola Inc., "Selective Call Receiver capable of requesting information from a communication system and method thereof."

16-09-93

- 1037/Del/93. Hans Kuhl, "A device for joining at least two elements."

17-09-93

- 1038/Del/93. The Procter & Gamble Company, "Sanitary Napkin having shaping means." (Convention date 21st September 92.)-U.K.
- 1039/Del/93. The Procter & Gamble Company, "Personal cleansing bar with tailored base soaps with mixed counterions for improved mildness and processability without lather negatives."
- 1040/Del/93. Russell D. IDF, "Pad type Hydrodynamic thrust bearings having a modular construction."
- 1041/Del/93. Anfilco Limited an Indian Company, "An Air Filter."
- 1042/Del/93. Anfilco Limited an Indian Company, "An Air Filter."
- 1043/Del/93. Kameshwari Nath Mallik, "A process for the preparation of a herbal concentrate."
- 1044/Del/93. Kashmira Singh Sekhon and Baljit Singh, "Technology for the production of instant cereal food and a snack food from broken rice."
- 1045/Del/93. Colgate-Palmolive Company, "Hair Conditioning Shampoo containing high charge density polymers."
- 1046/Del/93. Colgate-Palmolive Company, "Hair conditioning shampoo containing cationic conditioning polymers."
- 1047/Del/93. Colgate-Palmolive Company, "Hair Conditioning style control shampoo or treatment."

## ALTERATION OF DATE UNDER SECTION-16

Patent No. 173145 (701/Mad/91) Ante-dated to 25th May 1988.

Patent No. 173148 (59/Mad/91) Ante-dated to 5th May 1987.

Patent No. 173165 (762/Mad/90) Ante-dated to 20th October 1987.

Patent No. 173166 (794/Mad/90) Ante-dated to 12th December 1986.

Patent No. 173167 (973/Mad/90) Ante-dated to 13th February 1987.

Patent No. 173168 (36/Mad/91) Ante-dated to 1st May 1987.

Patent No. 173169 (186/Mad/91) Ante-dated to 8th April 1987.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि में अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी विहित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी उदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

Cl. : 32 F 3a + F 3d  
40 E + F

173131

Int. Cl.<sup>1</sup> : C 07 B 63/02,

C 07 C 45/85, 49/00, 49/08, 49/10.

## METHOD OF REMOVING ALDEHYDES FROM A MIXTURE OF ALDEHYDES AND KEYTONES.

Applicant : CATALYTICA, INC., OF 430 FERGUSON DRIVE, BUILDING 3, MOUNTAIN VIEW, CALIFORNIA 94043, UNITED STATES OF AMERICA.

Inventors : (1) STANLEY FOX NEWMAN, (2) JACQUES CHARLES DE DEKEN, (3) MICHAEL LEE COOK.

Application No. 342/Cal/89, filed on 5th May, 1989.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A method for removing aldehydes from a mixture of aldehydes and ketones as herein defined which comprises the steps of :

- providing to a reactor a substantially water-free mixture of aldehydes and ketones;
- providing to said reactor a Tschitschenko catalyst selected from the group consisting of multi-valent metal alkoxides of the form,  $M(OR)_n$ , where M is a Group IIB, Group IIIA or Group IVB metal, R is an alkyl group, and n is equal to the valence state of metal M;
- optionally providing a promoter selected from the the group consisting of metal chlorides of the form  $M'Cl_m$ , wherein M' is a group II or IIIA metal, and m is equal to the valence state of metal M';
- reacting said substantially water-free aldehyde and ketone mixture with said provided Tschitschenko Catalyst by a method such as herein described to thereby condense said aldehydes into esters, wherein said esters have a boiling point significantly different from said ketone; and
- separating said esters and Tschitschenko catalyst by a method such as herein described from said ketone mixture, and separating, when appropriate, said promoter from said ketone mixture by a method such as herein described.

(Compl. Specn. 50 pages.

Draws. 5 sheets.)

Cl. : 131 B 4

173132.

Int. Cl.<sup>1</sup> : E 21 B 10/26.

## WELL REAMER.

Applicant : TATARSKY GOSUDARSTVENNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT NEFTYANOI PROMYSHLENNOSTI-USSR. OF BUGULMA ULETS A. M. DZHALAIYA, 32 UNION OF SOVIET SOCIALIST REPUBLIC.

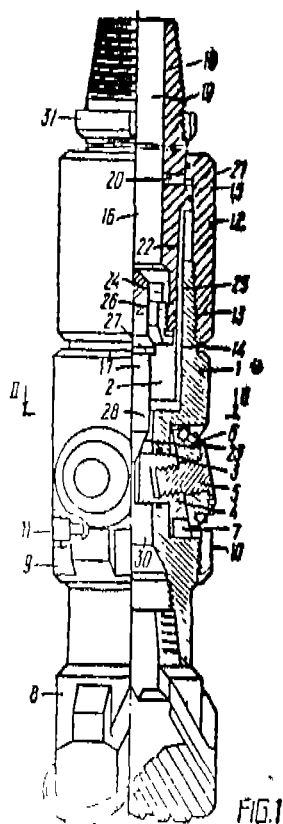
Inventors : (1) GABDRASHIT SULTANOVICH ABDRAKHMANOV, (2) ALBERT MUSAGITOVICH AKHUNOV, (3) ALBERT GABIDULLOVICH ZAINULLIN, (4) KONSTANTIN VIKTOROVICH MELING, (5) RAUF NUKHOVICH RAKHMANOV, (6) ALEXANDR PETROVICH BALANDIN, (7) ALEXANDR ALEXEEVICH PUZANOV, (8) ILYAS ANISOVICH URAZGILDIN, (9) ALMAZ ADGAMOVICH MUKHAMETSHIN, (10) ALMAS KHAZIEVICH KHAKIMOV, (11) ANTANAS ALEXANDROVICH YASAS, (12) LUTSIA MINIGALIMOVNA NARYSHKINA.

Application No. 661/Cal/89; filed on 14th August, 1989.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 1 Claim

A well reamer comprising a sub for attaching it to the drive means, a hollow housing with a central channel and radial openings made through its side wall, projectable rolling cutters with shanks, mounted in the radial openings of the housing, and a mechanism for projecting the rolling cutters from the radial openings of the housing, comprising an annular piston and a member for locking the rolling cutters, characterized in that the piston is connected with the housing for joint rotation therewith and is rigidly connected with the sub, the wall of the piston having radial passages made therethrough, establishing communication of its central channel with an annular space defined between the wall of the piston and the internal wall of the housing, the member for locking the rolling cutters being accommodated with a clearance in the central channels of the piston and of the housing, respectively, and having an annular shoulder, the central channel of the piston defining a seat for engagement with this annular shoulder of the locking member, the annular shoulder of the locking member and the internal surface of the housing having matching longitudinal passages made therein in the area of interaction of the locking member with the rolling cutters, for communicating the central channel of the piston with the internal space of the lower part of the housing.



(Compl. Specn. 13 pages.)

Drgns. 1 sheet.)

Cl. : 131 A1

173133.

Int. Cl. : F 21 B 17/00; 29/00

## DEVICE FOR EXPANDING PIPES.

Applicant : TATARSKY GOSUDARSPVENNY NAUCHNO-ISSLEDOVATELSKY I PROEKTYN INSTITUT NEFTYANOI PROMYSHLENNOSTY-USSR, BUGULMA ULITS A M. DZHALILYA, 32 UNION OF SOVIET SOCIALIST REPUBLIC.

Inventors : (1) KONSTANTIN VIKTOROVICH MELING, (2) JURY ANATOLIEVICH SAFONOV, (3) GABDRASHIT SULTANOVICH ABDRAKHMANOV, (4) JURY

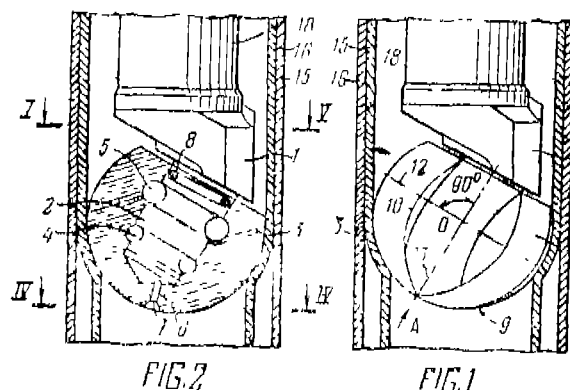
GRIGORIEVICH MIKHAILIN, (5) RODION MIKHAILOVICH BOGOMOLOV, (6) VALENTIN VASILIEVICH SAIDMATIN, (7) ALMAZ ADGAMOVICH MUKHAMETSHIN, (8) SALIKHYZAN MUKHAMETZYANOVICH MINGAZOV.

Application No. 662/Cal 89; filed on 14th August, 1989.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 1 Claim

A device for expanding pipes, comprising a housing having an expanding member mounted thereon in bearings on a journal at an angle to the longitudinal geometric axis of the housing characterized in that the expanding member is shaped as a spherical segment having its external surface defined by alternating portions of a spherical surface and the lateral surfaces of cylinders whose geometric axes belong to a plane perpendicular to the axis of the journal.



(Compl. Specn. 9 pages.)

Drgns. 1 sheet.)

Cl. 172 D4

173134.

Int. Cl. : G 05 B 13/02.

## SYSTEM FOR MONITORING THE OPERATION OF A MULTIPOSITION SPINNING MACHINE.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : (1) SCOTT L. DAVIDSON, (2) MICHAEL JOSEPH PIOVOSO, (3) JOHN J. TURNER, (4) MARK D. WETZEL.

Application No. 726/Cal/89; filed on 4th September, 1989.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

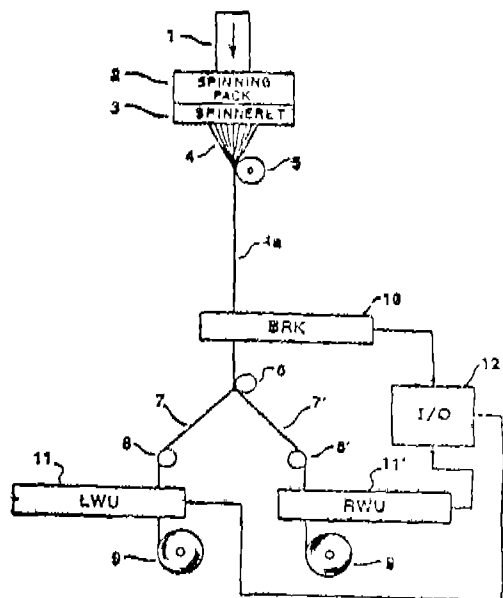
A system for monitoring the operation of a multiposition spinning machine wherein filaments are extruded from a spinning pack at each position and advanced as a yarn bundle in a path, then split at a location into a plurality of threadlines to be forwarded to a plurality of windups to be wound on packages and scheduling events at predetermined times in the preparation of said packages with the aid of a digital computer, said system comprising :

- means for providing the processor unit (20) of said computer with a knowledge database that comprises the operative state of each position, the elapsed time since the initiation of each package, predetermined event times unique to the filaments being wound, the positional configuration of said machine, and a heuristic rule base;
- means for sensing the operative state of each position by monitoring the presence or absence of the advancing yarn bundle and said threadlines as a function of time;



- (c) means for providing the computer with the operative status for each position as sensed in step (b) above and the elapsed time since the initiation of each package of the position;
- (d) means for comparing in the computer the operative state of each position and the elapsed time since initiation of each package of said position with pre-determined event times and said heuristic rule base; and
- (e) means for indicating that the time for performing said events has been reached.

FIG. 1



(Compl. Specn. 31 pages.

Drgns. 35 sheets.)

Cl. : 35 E

173135

Int. Cl. : C 04 B 35 00.

A METHOD OF FORMING A METAL MATRIX COMPOSITE BODY BY A SPONTANEOUS INFILTRATION TECHNIQUE.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP. OF TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19714-6077, UNITED STATES OF AMERICA.

Inventors : (1) ALAN SCOTT NAGELBERG, (2) MICHAEL KEVORK AGHAJANIAN.

Application No. 808/Cal/89; filed on 29th September, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

## 32 Claims

A method for making a metal matrix composite, comprising :

Providing a source of matrix metal, as herein defined;

Providing a substantially non-reactive filler as herein defined and infiltration enhancer precursor as herein defined to at least a portion of an interface between said matrix metal source and said filler; and

spontaneously infiltrating at least a portion of the filler with said molten matrix metal.

(Compl. Specn. 41 pages,

Drgs. 1 sheet)

2-467 GI/93

Cl. : 150 G.

173136

Int. Cl. : F 16 L 15/04.

## HERMETIC METAL PIPE JOINT.

Applicant : DALMINE SPA OF VIA BRERA 19, 20125 MILANO, ITALY.

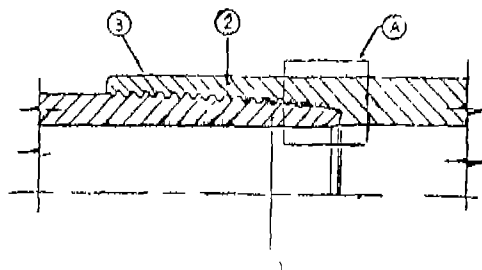
Inventors : (1) CATALDO CAPPELLI, (2) NORBERTO MORIOTTI.

Application No. 846/Cal, 89; filed on 12th October, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

## 8 Claims

Hermetic metal pipe joint, especially for pipes used for pumping fluids and well casings, comprising a male element with at least one external tapered thread and a female element with complementary internal threads, the end part of said male element beyond each thread having a conical tapered seal surface and an internal seat surface, also tapered, said surfaces being interacting with similar seal and seat surfaces on said female element, the length of the seal surface of the female along the generatrix being greater than that of the corresponding seal surface of the male element, said joint being characterised by the fact that said two seal surfaces of the male and female elements have a taper between 6.25 and 9.25%, the length of the surface of the male element which comes into contact with the corresponding surface of the female element being between 0.5 and 2.5 mm.



(Compl. Specn. 18 pages.

Drgs. 2 sheets)

Ind. Cl. : 35-E, 33-H, 93 9-A, F

173137

Int. Cl. : C 04 B 14/00, 22/00, 35/00, 35/64, 35/71, 35/74, 35/80, 35/84.

A METHOD OF MAKING METAL MATRIX COMPOSITE.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP. OF TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19714-6077, U.S.A.

Inventors : (1) MICHAEL KEVORK AGHAJANIAN (2) GREGORY EUGENE HANNON, (3) RUSSELL GUY SMITH, (4) JOHN PETER BIEL JR., (5) JOHN THOMAS BURKE, (6) CHRISTOPHER ROBIN KENNEDY.

Application No. 914/Cal/89; filed on 1st November, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

## 43 Claims

A method of making metal matrix composite comprising : providing a substantially non-reactive ceramic filler, such as herein described,

providing a molten matrix metal, such as herein described; spontaneously infiltrating (as herein defined) at least a portion of the said filler with the said molten matrix metal in presence of an infiltration enhancer, such as herein described, and/or an infiltration enhancer precursor, such as herein described, and/or an infiltrating atmosphere, such as herein described.

(Compl. Specn. 107 pages.

Drgs. 31 sheets)

Cl.: 206 C.

173138

3 Claims

Int. Cl.: G 01 S 13/00, 17/00.

**TARGET DETECTOR.**

Applicant: HOLLANDSE SIGNAALAPPARATEN B. V. OF ZUIDELIJKE HAVENWEG 40, 7550-GD HENGEL, THE NETHERLANDS.

Inventors: (1) GELLEKINK, BERNARD (2) JANSEN, CORNELIS MARINUS.

Application No 547/Cal/89; filed on 11th July, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

9 Claims

Target detector for detecting at least one target comprising an emission and detection device, said device comprising a plurality of transmitter means for the simultaneous generation of different frequencies, a plurality of receiving means for obtaining target signals comprising target information received at different frequencies, and servo means for keeping the target detector directed at the target, said receiving means being coupled to a combination unit combining said target signals for obtaining target representing signals in azimuth, elevation and range, and to a quality unit, said quality unit being coupled to said combination unit for supplying quality factors relating to the target signals, the quality factors determining in which combination the target signals are to be processed for obtaining target representing signals in azimuth, elevation and range for steering said servo means for keeping said device aimed at and tracking the target.

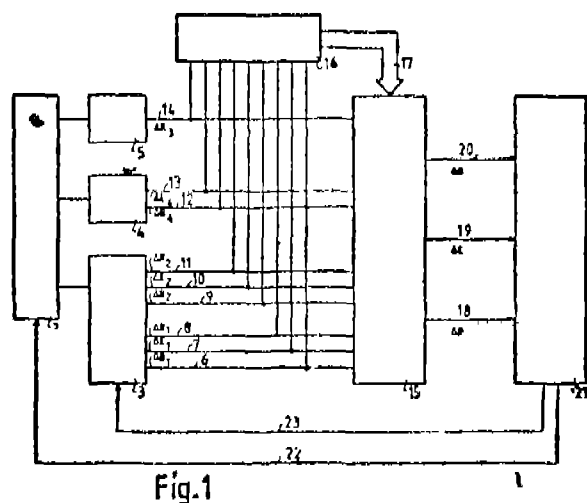


Fig. 1

(Compl. Specn. 30 pages,

Drgs. 6 sheets)

Cl.: 55 E2

173139

Int. Cl.: C 08 F 126/10;

A 61 K 33/18.

**METHOD OF PREPARING A MICROBICIDAL OPHTHALMIC SOLUTION COMPRISING POVIDONE IODINE.**

Applicant: EUROCELTIQUE, S.A. OF 122 BOULEVARD DELA PETRUSSE, LUXEMBOURG.

Inventors: (1) BENJAMIN OSHLACK & (2) DILEEP BHAGWAT.

Application No. 120/Cal/92; filed on 1st February, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

A method of preparing a microbicidal ophthalmic solution comprising povidone-iodine which is stable according to USP standards when stored in a glass container, comprising

providing povidone-iodine in an amount of between 0.012% to 0.72% by wt to render said solution microbicidal but not to render said solution stable, and

adding a suitable alkalinizing agent such as herein described in an amount effective to maintain said amount of available iodine at a minimum of about 85% and a maximum of 120% of an initial amount of said available iodine for about three months at a temperature of about 40°C when said solution is stored in a glass container, such that said alkalinizing agent in said effective amount is non-toxic and non-irritating, said solution having an initial pH of between 2 to 6.5.

(Compl. Specn. 51 pages.

Drgs. Nil)

Cl. 32 F1 &amp; 55 F4

173140

Int. Cl. C 07 C 63/20, 63/22,

A 61 K 31/685.

**"PROCESS FOR THE PREPARATION OF 3, 4, 6-TRIFLUOROPHTHALIC ACID AND THE ANHYDRIDE THEREOF".**

Applicant: HOECHST AKTIENGESELLSCHAFT. of D-6230 Frankfurt AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) THEODOR PAPENFUHS, (2) RALF PFIRMANN.

Application No. 288/Cal/92; filed on 27th April, 1992.

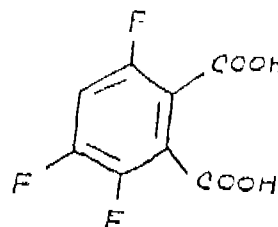
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

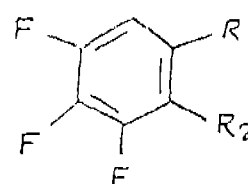
A process for the preparation of 3, 4, 6-trifluorophthalic acid of the formula (1) of the accompanying drawing or of the anhydride thereof, which comprises dehalogenating tetrafluorophthalic acid/anhydride of the formula (2) wherein  $R_1$  and  $R_2$  are each a  $-COOH$  radical or  $R_1$  and  $R_2$  form a bridging member  $-C-O-C-$



using zinc in aqueous-alkaline medium at temperatures or approximately 20°C to approximately 160°C and, if appropriate, converting the resulting 3, 4, 6-trifluorophthalic acid into the anhydride in a known manner by dehydrating it.



FORMULA (1)



FORMULA (2)

(Compl. Specn. 9 pages;

Drgs. 1 sheet)

Ind. Class - 11C - [GROUP - 1(2)]

173141

Int. Cl.<sup>4</sup> - A 01 K 39/01.**A FEEDER ASSEMBLY FOR POULTRY AND THE LIKE**

Applicant : CIB, INC., AN INDIANA CORPORATION  
OF STATE ROAD 15, MILFORD, INDIANA 46542,  
U.S.A.

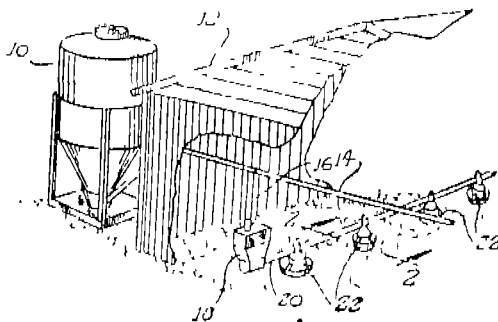
Inventors : (1) HOWARD S BREMBECK  
(2) RAY E SWARTZENDRUBER

Application No. 41/MAS/89 filed on January 18, 1989.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Madras Branch.

**8 Claims**

A feeder assembly for poultry and the like, comprising feeder tube means operatively connectable with a feed conveyor for receiving and directing feed, a dome integrally formed with said feeder tube means with spaced wing members formed integral with and extending outwardly of said dome and releasable pan means having an upstanding side wall with annular lip means for adjustably engaging with said wing members to form a two piece feeder assembly having an annular poultry feeding area between said dome and said pan means for efficiently feeding brood through harvest sized poultry and the like.



(Com.—16 pages;

Dwgs.—3 sheets.)

Ind. Class - 56-A - [GROUP - V]

173142

Int. Cl.<sup>4</sup> - F 28 B 1/02**A STEAM CONDENSER**

Applicant : ASEA BROWN BOVERI LTD., OF CH-  
5401, BADEN, SWITZERLAND, A SWISS COMPANY.

Inventors : (1) FRANCISCO BLANGETTI  
(2) CHRISTIAN STUCKI  
(3) MARC-AUREL VOTH

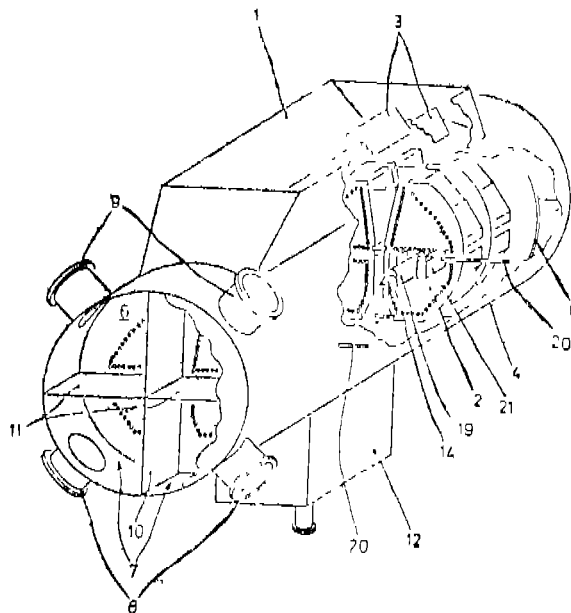
Application No. 49/MAS/89 filed on January 20, 1989.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Madras Branch.

**5 Claims**

A steam condenser comprising a plurality of tubes (5) for condensing steam on the tubes (5) grouped together in at least two separate two part nests (2) each having a steam inlet and disposed at a distance from one another, the said tubes (5) through which the cooling water flows is placed in rows in the said nests (2) encircling a hollow space (13) in which a cooler (14) is provided for cooling the non-condensable gases, the said two part nests (2) having a convergent flow path (15) in a first part of the flow path between the start and the end of said nests (2) for accelerating the steam and a divergent retaining part (16) as the second part adjoining the said first part for deflecting the steam and the said flow path is provided between the said nests (2) and between

each nests (2) and the walls (4) of the condenser wherein the said cooler (14) is located in a plane where the convergent steam flow path merges into the divergent retaining part.



(Com.—13 pages;

Dwgs.—3 sheets.)

Ind. Class - 172-C, - [GROUP - XX]

173143

Int. Cl.<sup>4</sup> - D 01 G 9/06**A TOOTHED STRIP FOR FORMING A CLOTHING ON A ROLLER**

Applicant : MASCHINENFABRIK RIETER AG, A  
BODY CORPORATE ORGANIZED UNDER THE LAWS  
OF SWITZERLAND, OF WINTERTHUR, SWITZER-  
LAND.

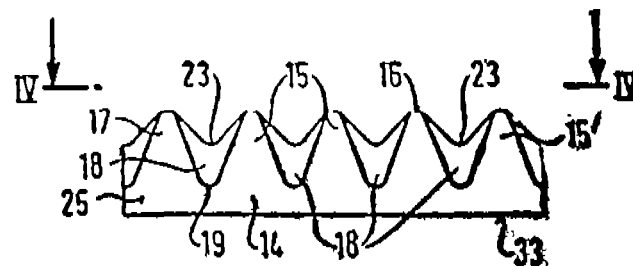
Inventor : PAUL STAEHEL

Application No. 116/MAS/89 filed on February 14, 1989.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Madras Branch.

**15 Claims**

A toothed strip for forming a clothing on a roller, comprising a plurality of tooth disposed along a front face of the strip in alternating relation with a plurality of troughs, each said tooth having an equilateral triangular shaped front face and an equilateral triangular shaped back face, each said back face having an apex at said front face of the strip; and each said trough being inclined upwardly from said front face of the strip towards the rear face of the strip.



(Com.—11 pages;

Dwgs.—1 sheet.)

Int. Cl. : 117 B, C [LXIV (5)]

173144

Int. Cl.<sup>4</sup> : E 05 B 15/00

## THE IMPROVEMENT IN THE LOCK MECHANISM

Applicant : ACCO WORLD CORPORATION, A CORPORATION INCORPORATED UNDER THE STATE OF DELAWARE; U.S.A., OF 500 LAKE COOK ROAD, DEERFIELD, ILLINOIS 60015, U.S.A.

Inventors : EDWARD W. COOPER  
ORLANDO R. GUERRIERI

Application No. 603/MAS/89 filed on 11th August, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims

In a loose-leaf sheet binder lock mechanism having a case member, a pair of elongated hinge plates engageable along a centerline, ring halves mounted on the plates operable to form loose-leaf retaining rings, a trigger lever having a body portion vertically-oriented when the lever is closed and the trigger being operable to move the plates between an open ring position to a closed ring position, the improvement comprising

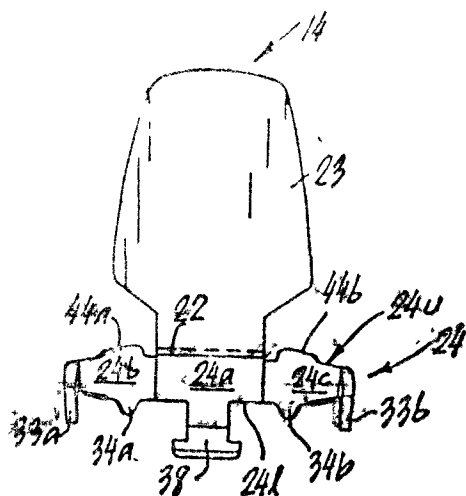
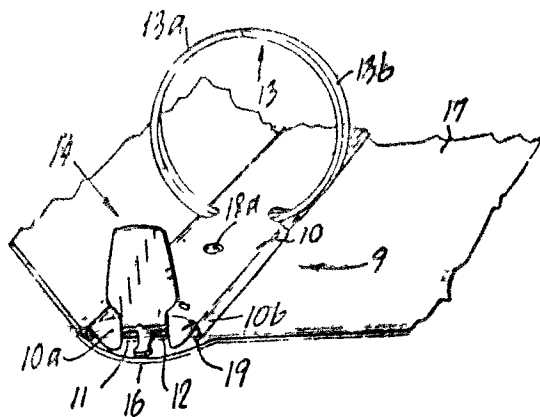
a pair of spaced-apart blister means on said case member;

spaced-apart lugs on the body portion of the trigger lever for positioning in and engagement with such blister means;

trigger lower projections on the body portion; and

apertures in the hinge plates for receiving and engaging the lower trigger projections

whereby the trigger lever is pivotal about such apertures in moving the trigger lever to a locked position where said lugs are positioned in said blister means.



(Complete specification—9 pages;

Digs.—3 sheets.)

Ind. Class - 95-H &amp; 150-C&amp;G -

173145

[GROUPS - XLII(2) &amp; XLVIII(1)]

Int. Cl.<sup>4</sup> - F 16 L 21/00

## A SECURING TOOL FOR TIGHTENING A FASTENING DEVICE

Applicant & Inventor : HARALD KOLVEREID, A NORWEGIAN CITIZEN, OF SKELLEFTEAVEIEN 22, N 8610 GRUBHEI, NORWAY.

Application No. 701/MAS/91 filed on 17th September, 1991.

Divisional to Patent No. 171055 (354/MAS/88); Antedated to May 23, 1988.

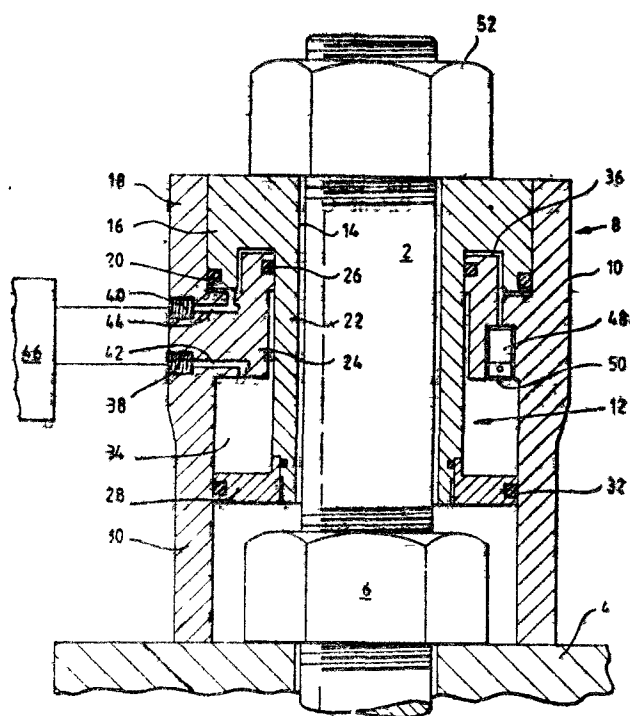
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims

A securing tool for tightening a fastening device having an outer clamping sleeve member with an internal thread and an inner clamping sleeve member with an external thread, each said clamping sleeve member being provided with a wrench mount, and with each wrench mount having a number of teeth with intermediate slots, characterized in that the securing tool consist of two mutually movable tool members having a number of teeth mutually spaced to be insertable into said wrench mount slots located at the same side of each said clamping

## 7 Claims

A hydraulic bolt tensioner comprising a cylinder (10) adapted to react against a fixed component (4) from which extends a threaded bolt (2), a piston (12) slidably mounted in the cylinder (10) and having an axial bore (14) therein through which said bolt (2) extends, the piston (12) being adapted to react against a reaction member (52) threaded on the bolt (2), and a source of hydraulic fluid (46) under pressure for effecting powered movement of the piston (12) within the cylinder (10), the piston-cylinder assembly (10, 12) defining therein first and second chambers (36, 34), the said source of hydraulic fluid (46) under pressure is connected to both the first and second chambers (36, 34) for achieving powered extension of the piston (12) within the cylinder (10), fluid under pressure is supplied to the first chamber (36) with the second chamber (34) being vented to atmosphere, and for achieving powered retraction of the piston (12) within the cylinder (10), the fluid under pressure is supplied to the second chamber (34) with the first chamber (36) being vented to atmosphere.



(Com.—15 pages;

Drwgs.—2 sheets)

Ind. Cl. 85 G [XXXI]

173147

Int. Class. - F 27 B 15/08.

## A FLUIDIZED BED FURNACE WITH RE-ENTRY OF SOLIDS.

Applicant : DEUTSCHE BABCOCK WERKE AKTIEN-GESELLSCHAFT OF DUISBURGER STR. 375 4200 Oberhausen 1 Federal Republic of Germany, a German Company.

Inventors : 1. HORST BUCHMULLER, 2. GERD MORAWSKI.

Application No. 801/MAS/89 filed on 1st November 1989.

Convention Dated : 25-9-1989, No. 612833 (CANADA).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, Madras.

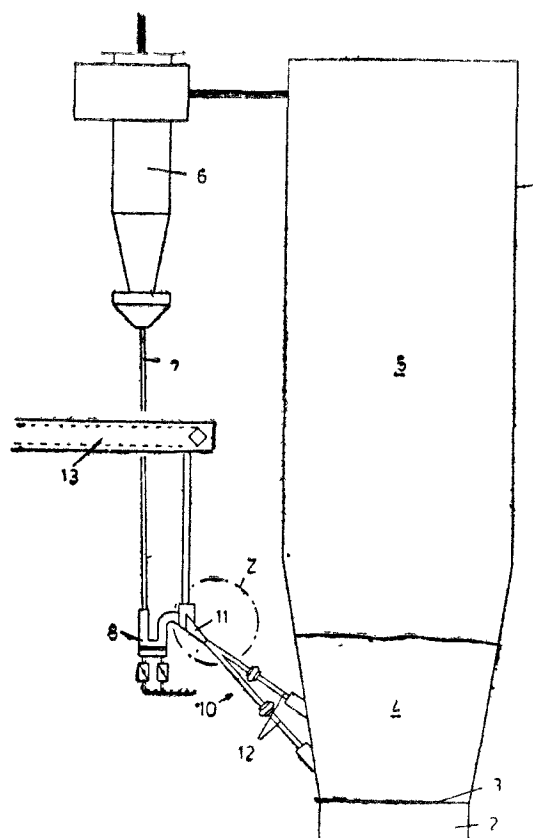
## 5 Claims

A fluidized bed furnace having re-entry of solids and comprising; at least one cyclone separator for separating solids from stack gases, the or each said separator having a removal end for solids;

a siphon having an exit;

a gravity chute connected to the fluidized bed of said fluidized bed furnace;

An intermediate member connecting said exit with said gravity chute; and a raw coal feeding means communicating with said gravity chute, said removal end being connected to said siphon, said intermediate member having a cross-sectional area, said cross-sectional area first being enlarged from the cross-sectional area of said exit of said siphon and subsequently being reduced to the cross-sectional area of said gravity chute, and said feeding means entering said intermediate member above said enlargement of said cross-sectional area.



(Complete specification 8 pages;

Drawings 2 sheets)

Ind. Cl. - 195 - B- [GROUP - XXIX(3)]

173148

Int. Cl. - A 62 B 18/10

## A PRESSURE REGULATOR

Applicant & Inventor : PETOR JOSEPH JACKSON, A BRITISH CITIZEN OF 3 QUEENSMead, FRANKLIN ROAD, Durrington, Worthing, West Sussex BN13 2PG, ENGLAND.

Application No. 59/MAS/91 filed January 29, 1991.

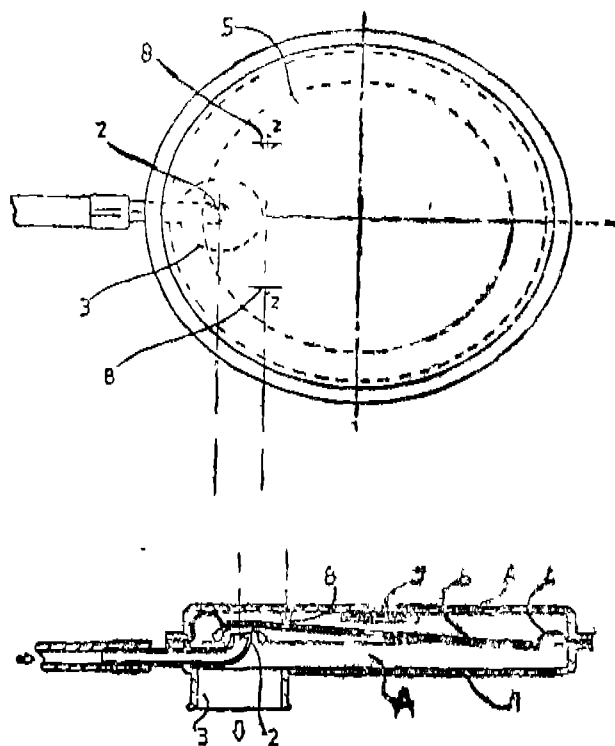
Convention date : May 7, 1986; (No. 86.11113; Great Britain)

Divisional to Patent Application No. 323/MAS/87; Antedated to May 5, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 10 Claims

A pressure regulator comprising a housing defining first and second chambers separated by a movable partition, the first chamber being vented to a reference pressure and the housing having fulcrum means to define an eccentric pivot axis for a rigid central part of the partition the second chamber with a pilot jet facing the partition and closeable thereby at a position on the side of the pivot axis remote from the centroid of the rigid portion of the partition and the said second chamber also having a vent connected to the outlet of the pressure regulator, the housing further defining a third chamber communicating with the pilot jet and partially defined by a resilient valve member in the open position allowing communication between a high pressure supply port and the outlet port of the pressure regulator and in a closed position denying such access from a high pressure supply port to the outlet port of the pressure regulator the high pressure being supplied to the third chamber via an orifice such that while a predetermined back pressure is applied to the outlet port rigid portion of the partition is held in a position to close the pilot jet and the valve member is held in its closed position by the pressure in the third chamber, and that when the back pressure is reduced to below a predetermined value the pilot jet is opened, the pressure in the third chamber reduces



(Com-17 pages,

Drawgs-3 sheets)

Ind Class - 55 - I 4[GROUP XIX (1)] 173149  
Int Cl<sup>4</sup> A 61 K 31 00 35/00

## A PROCESS FOR THE PREPARATION OF PHARMACEUTICAL FORMULATIONS

Applicant IMUTRAN LIMITED A COMPANY REGISTERED UNDER THE LAWS OF ENGLAND OF 21 HOLBORN VIADUCT, LONDON, EC1A 2DY ENGLAND

Inventors (1) DAVID JAMES GRAHAM WHITE  
(2) JOHAN BEYERS VAN DEN BOGAERDE

Application No 265/MAS/91 filed April 3, 1991

Convention date April 9, 1990, (No 9007971 6, Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch

## 5 Claims

A process for the preparation of a pharmaceutical formulation, comprising admixing a complement inhibitor, such as herein described and an immunosuppressant with cyclosporin A-like activity such as herein described in a weight ration of 1 : 2000 to 2000 : 1

(Com-22 pages,

Drawgs-1 sheet)

Ind<sup>4</sup> Class-32C [Group IX(1)] 173150  
Int Cl<sup>4</sup> C 12 N 9 100

## A PROCESS FOR PREPARING PURIFIED PUTRESCINE N METHYLTRANSFERASE, FROM A TOBACCO PLANT EXTRACT

Applicant PHILIP MORRIS PRODUCTS INC., OF 3601 COMMERCE ROAD RICHMOND, VIRGINIA 23234, UNITED STATES OF AMERICA, AN AMERICAN COMPANY

Inventors (1) HERBERT Y NAKAIANI  
(2) VEDPAL S MALIK

Application No 847/MAS/91 filed November 14, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 11 Claims

A process for preparing purified putrescine N methyltransferase from a tobacco plant extract comprising the steps of .

(a) applying the extract to an anion exchange medium, wherein the application temperature and the pH and chemical composition of the extract are such that putrescine N-methyltransferase is retained by the anion exchange medium and

(b) eluting the putrescine N methyltransferase from the anion exchange medium with an elution buffer comprising an effective amount of a polyamine selected from putrescine, N methylputrescine spermine, spermidine agmatine, cadaverine, or a mixture thereof, wherein the elution temperature and the pH and chemical composition of the elution buffer are such that but for the polyamine the putrescine N methyltransferase would be retained by the anion exchange medium

(Com 47 pages,

Drawgs-5 sheets)

Ind Class-178-[Group-XXV(3)] 173151  
Int Cl<sup>4</sup> B 28 D 5/00

## A METHOD OF MANUFACTURING FINISHED GEMSTONES

Applicant THE DIAMOND TRADING COMPANY LIMITED A COMPANY INCORPORATED IN ENGLAND, OF 7 ROLLA BUILDINGS, FETTER LANE, LONDON EC4A 1NH, ENGLAND

Inventors (1) MARK CHRISTOPHER HANNA  
(2) ERIC BLONDETT

Application No 810 MAS/86 filed November 18, 1988

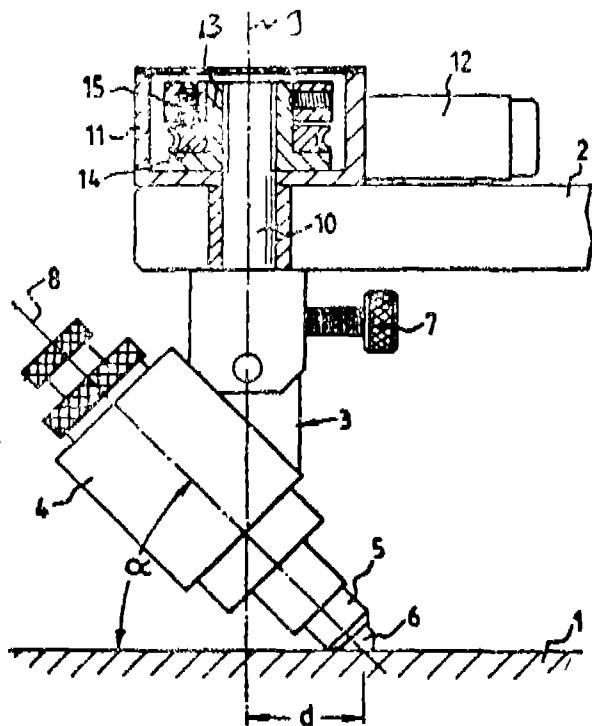
Convention date November 20 1987, (No 8727303 : Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office, Madras Branch

## 11 Claims

A method of manufacturing finished gemstones comprising forming and smoothing a facet on a gemstone, determining the grain direction of the facet, using a polishing member which engages the facet and effectively moves in one direction past

the stone at a whole, and rotating the stone through at least 180° about an axis at right angles to the surface of the polishing member, and observing scratch marks on the stone to determine the angular relationship of the stone to the polishing member, about said axis, at which working best occurs.



(Com.-18 pages;

Drawgs-1 sheet)

Ind Class : 186-A [GROUP-I XI(1)]

173152

Int. Cl.<sup>4</sup> : H 03 H 7/00

#### AN ELECTROMAGNETIC INTERFERENCE FILTER

Applicant & Inventor : JENKIN ANGELO RICHARD, RESIDING AT NO. 1, JOSIER STREET, NUNGAMBAK-KAM, MADRAS, TAMIL NADU, INDIA. A U. S. CITIZEN

Application No. 31/MAS/89 filed January 16, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 4 Claims

An electromagnetic interference filter having a pair of phase neutral power transmitting lines provided with input terminals at one end for receiving an input voltage from an a.c. source; output terminals at the other end for connection to load-equipment and comprising a resistor shunting the said lines at the input end; a pair of LC circuits connected to form an LC LC ring between the input and the output ends; a first capacitor connected at the output end to shunt one of the said lines to ground, together with a second capacitor also connected at the output end to shunt the other of the said lines to ground, the said two capacitors reducing noise and pacifying ripples, and an earth-line for grounding the body of the source.

(Com 7 pages;

Drwg. 1 sheet)

Ind Class : 168-C [GROUP-LI(4)]

173153

Int. Cl.<sup>4</sup> : G 01 V 1/16; 1/28

#### A SYSTEM FOR THE SEMI-SEQUENTIAL TRANSMISSION OF SIGNALS.

Applicant : INSTITUT FRANCAIS DU PETROLE OF 4 AVENUE DE BOIS-PREAU, 92502 RUEIL-MAI-MAISON, FRANCE. A FRANCH COMPANY.

Inventor : JOSEPH RIALAN

Application No. 69/MAS 89 filed January 25, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 5 Claims

A transmission system for the semi-sequential transmission of signals by short wave link, between an assembly of data acquisition apparatus of a seismic reception device and a central control and recording laboratory, by means of a restricted number  $n$  of different transmission frequencies very much less than the number  $N$  of acquisition apparatus of said assembly, wherein all the acquisition apparatus of said assembly and the central laboratory are each provided with radio transmission and reception means which may be switched indifferently to any one of the transmission frequencies, each of the acquisition apparatus comprising means for storing an order number depending on its position along the seismic profile, means for determining the difference between the order number which is assigned to it and the number designated by control signals emanating from the central laboratory and switching means for selecting among all the available frequencies and, in the limit of the number  $n$ , a transmission frequency associated in a predetermined way with said difference

(Com. 16 pages;

Drwgs 1 sheet)

Ind Class : 172-C<sub>2</sub> [GROUP-XX]

173154

Int. Cl.<sup>4</sup> : D 01 G 27/00

#### AN APPARATUS FOR FILLING A SLIVER CAN WITH SLIVER

Applicant : MACHINENFABRIK RIETER AG A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF WINTERTHUR, SWITZERLAND.

Inventors (1) PETER FRITZSCHE  
(2) MARTIN SCHWAGER  
(3) HANS SPEICH

Application No 118/MAS/89 filed February 14, 1989

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch

#### 18 Claims

An apparatus for filling a sliver can with sliver comprising a can coiler; a primary sliver guide means : a coiler section defining part of said can coiler and having a predetermined axis of rotation; said primary sliver guide means guiding the sliver along said predetermined axis of rotation of said coiler section; said can coiler having a pair of rolls revolving with said coiler section, said pair of rolls serving to deliver the sliver and from coiler sliver layers in said sliver can located below said pair of rolls; one roll of said pair of rolls defining a sliver coiler roll; and said sliver coiler roll projecting into the sliver can for placing delivered sliver directly and immediately upon an uppermost coiled sliver layer already deposited in said sliver can

(Com 18 pages;

Drwgs 5 sheets)

Ind Class - 77-C-[GROUP - XI(1)]

173155

Int. Cl.<sup>4</sup> - C11 C 3/12

#### A PROCESS FOR THE DIRECT CATALYTIC HYDRO-GENERATION OF LIQUID FATTY ACID TRIGLYCERIDES AND SIMULTANEOUS RECOVERY OF FATTY ALCOHOLS AND C<sub>3</sub>DIOLS

Applicant : HENKFL KOMMANDITGESELLSCHAFT AUF AKTIEN OF GERMAN ORIGIN, HFNKELSTRASSE 67, 4000 DUSSELDORF 1, GERMANY

Inventors : (1) Dr. THEO FLECKENSTEIN  
(2) Dr. GERD GÖBEL  
(3) Dr. FRANZ JOSEF CARDUCK  
(4) NORBERT BREMUS  
(5) REINHARD ELTNER

Application No. 206/MAS 89 filed March 17, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 11 Claims

A process for the direct catalytic hydrogenation of liquid fatty acid triglycerides and simultaneous recovery of fatty alcohols and  $C_3$  diols such as propane diol comprising carry-out the hydrogenation reaction in the presence of gaseous hydrogen and known hydrogenation catalysts under pressures of 50 to 300 bar and at a temperature of 160°C to 250°C in a tube bundle reactor operated under isothermal conditions passing the liquids phase at co-current triple phase with the gaseous phase over the catalyst packings in the individual reactor tubes keeping the load per unit volume of the reactor between 0.2 and 2.5 litres of the starting material per hour per litre of the volume of the reactor to avoid back mixing maintaining the load per unit area of each individual reactor tube between 1.5 and 24 m<sup>2</sup> of the starting material per hour per m<sup>2</sup> of the reactor cross-section by controlling the flow of the starting material and adapting the reactor parameters of temperature and pressure in accordance with the actual catalyst activity to obtain yields of fatty alcohols of at least 99% and yields of propane-1, 2-diol of at least 80% with paraffin content not exceeding 0.5% and recovering the fatty alcohols and  $C_3$  diols such as propane diol in a known manner.

(Com. - 13 pages;

Drwg. - 1 sheet)

Ind. Class - 136-E-[GROUP - XIII]

173156

Int. Cl.<sup>4</sup> - B 29 D 11/00

A PROCESS FOR PRODUCING A CYANOPIA CORRECTABLE INTRAOCULAR LENS AND A LENS THEREOF

Applicant : HOYA CORPORATION, OF 7-5 NAKA-OCHIAI 2-CHOME, SHINJUKU-KU, TOKYO, JAPAN, A CORPORATION ORGANISED AND EXISTING ACCORDING TO THE LAWS OF JAPAN.

Inventors : (1) MASANORI DAICHO  
(2) YUICHI YOKOYAMA  
(3) MAKOTO TSUCHIYA

Application No. 491/MAS/89 filed June 22, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 10 CLAIMS

A process for producing a cyanopsia correctable intraocular lens by monomer cast polymerization comprising the steps of casting into a mold a monomer solution comprising one or more monomers selected from the group consisting of (meth) acrylic acid esters, vinyl group containing esters, alkyl esters of unsaturated carboxylic acid, fluorine-containing monomers and silicon containing monomers capable of forming a transparent lens material upon polymerization, at least one colorant selected from yellow, yellowish brown and orange colorants, a polymerization initiator; sealing the mold and effecting polymerization to obtain the cyanopsia correctable intraocular lens.

(Com. - 30 pages;

Drwgs. - 5 sheets)

Ind. Class - 27-I-[GROUP - XXVI(1)]

173157

Int. Cl.<sup>4</sup> - E 04 B 1/98

DAMPING DEVICE FOR A TOWER LIKE STRUCTURE

Applicant : KAWASAKI JUKOGYO KABUSHIKI KAISHA, OF 1-1, HIGASHIKAWASAKI-CHO, 3-CHOME, CHUO-KU, KOBE-SHI, HYOGO, 650-91, JAPAN, A JAPANESE COMPANY.

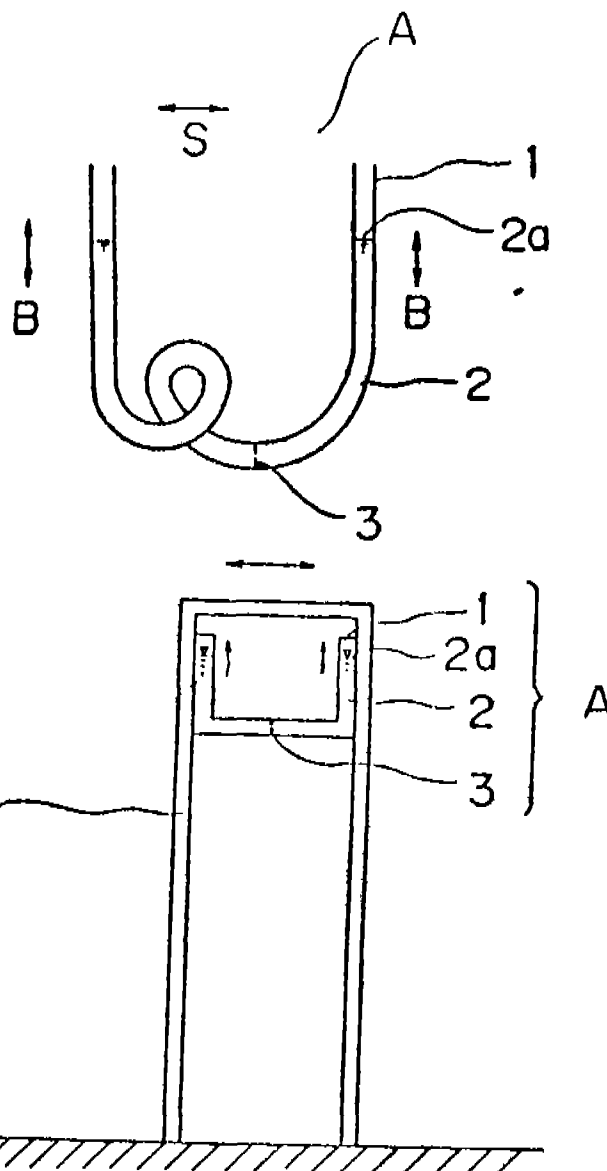
Inventors : (1) FUJIKAZU SAKAI  
(2) SHINGO TAKAEDA  
(3) TOSHIHIRO TAMAKI

Application No. 648/MAS/89 filed August 29, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 2 Claims

A damping device for a tower-like structure comprising a liquid column tube containing a liquid therein and having a pair of opposite rising end portions thereof where liquid levels are formed, said liquid column tube being mounted to said tower-like structure, said liquid column tube having an orifice at an intermediate portion.



(Com. - 25 pages;

Drwgs. - 11 sheets)



Ind. Class - 146-D, - [GROUP - XXXVIII(2)] 173158

Int. Cl.<sup>4</sup> - H 01 J 37/28

# AN IMPROVED ENVIRONMENTAL SCANNING ELECTRON MICROSCOPE

Applicant : ELECTROSCAN CORPORATION, OF 100  
ROSEWOOD DRIVE, DANVERS, MASSACHUSETTS  
01923, UNITED STATES OF AMERICA, AN AMERI-  
CAN CORPORATION.

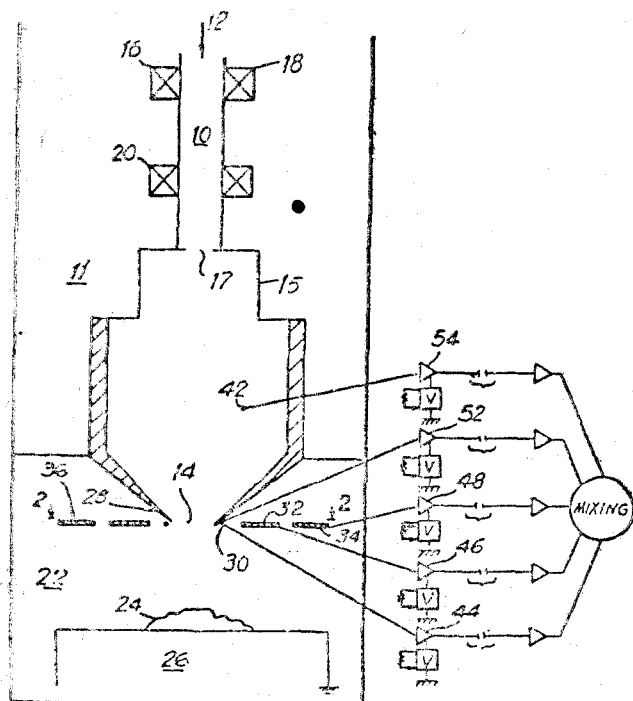
Inventors : GERASIMOS D DANILATES

Application No. 757/MAS/89 filed October 13, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 43 Claims

An improved environmental scanning electron microscope comprising means for generating and directing an electron beam towards a specimen; and means for detecting signals emanating from the surface of the specimen; said detecting means having a generally annular electrode assembly having an inner electron detector formed of a thin ring, and an outer electron detector positioned radially outwardly of said inner electron detector and being formed of a plurality of concentric arc segments which are biased at different electrical potentials.



(Com. - 34 pages;

Drwgs. - 3 sheets)

Ind. Class - 129-K - [GROUP - XXXV] 173159

Int. Cl.<sup>6</sup> - B 23G 5/00, 5/14.

# SINGLE AXIS SELF FEED TAPPING UNIT WITH HYDRAULIC MOTOR DRIVE

Applicant : HMT LIMITED, A COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1913, HAVING ITS REGISTERED OFFICE AT 36, CUNNINGHAM ROAD, BANGALORE - 560 052, KARNATAKA, INDIA.

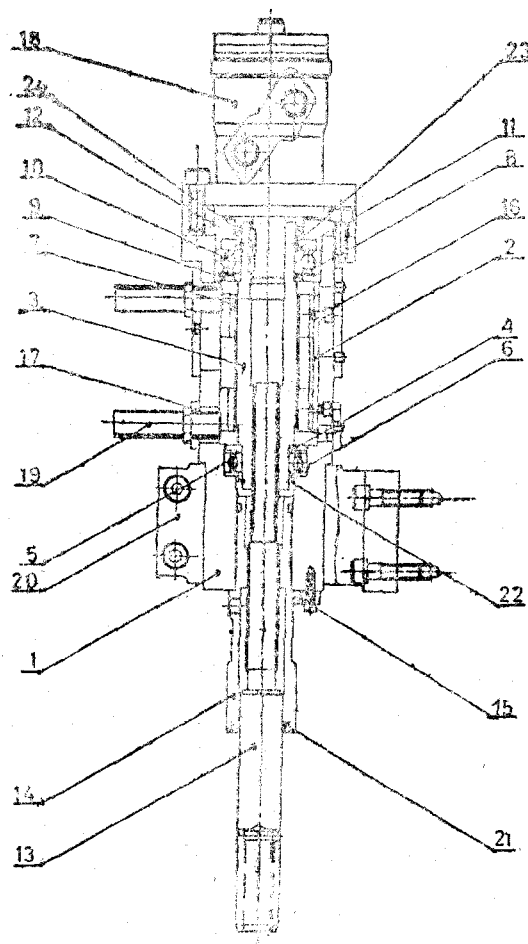
Inventor : PONNIKANTI CHENNAIAH

Application No. 813/MAS/89 filed November 6, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A single axis self feed tapping unit with hydraulic motor drive comprising a hydraulic motor (18) which is capable of varying speed and torque coupled to a hollow shaft (3) which is threaded externally and having internal splines, the hollow shaft (3) being coupled with corresponding splines of a spindle (13), a sensing nut (7) is threaded on the spindle (13) at its mid portion and two adjustable proximity switches (19) placed on the housing (1) for sensing the end position of the nut (7), wherein on reaching the predetermined depth of tap, the position of the nut (7) is sensed by the proximity switch (19) and gives command to the hydraulic motor for reversing the rotation of the motor and also to stop the motor when the tap is withdrawn to a predetermined position.



(Com. - 5 pages;

Drwg. - 1 sheet)

Ind. Class - 129-C-[GROUP - XXXVI] 173160

Int. Cl.<sup>4</sup> - B 23 B 47/18; 39/10

HYDRAULIC QUILL FEED UNIT FOR DRILLING  
OPERATION.

Applicant : HMT LIMITED, A COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1913, HAVING ITS REGISTERED OFFICE AT 36, CUNNINGHAM ROAD, BANGALORE-560 052, KARNATAKA, INDIA.

Inventors : (1) CHINTHAPALLY SAL REDDY

(2) SAMINENI JAGANNADHAM

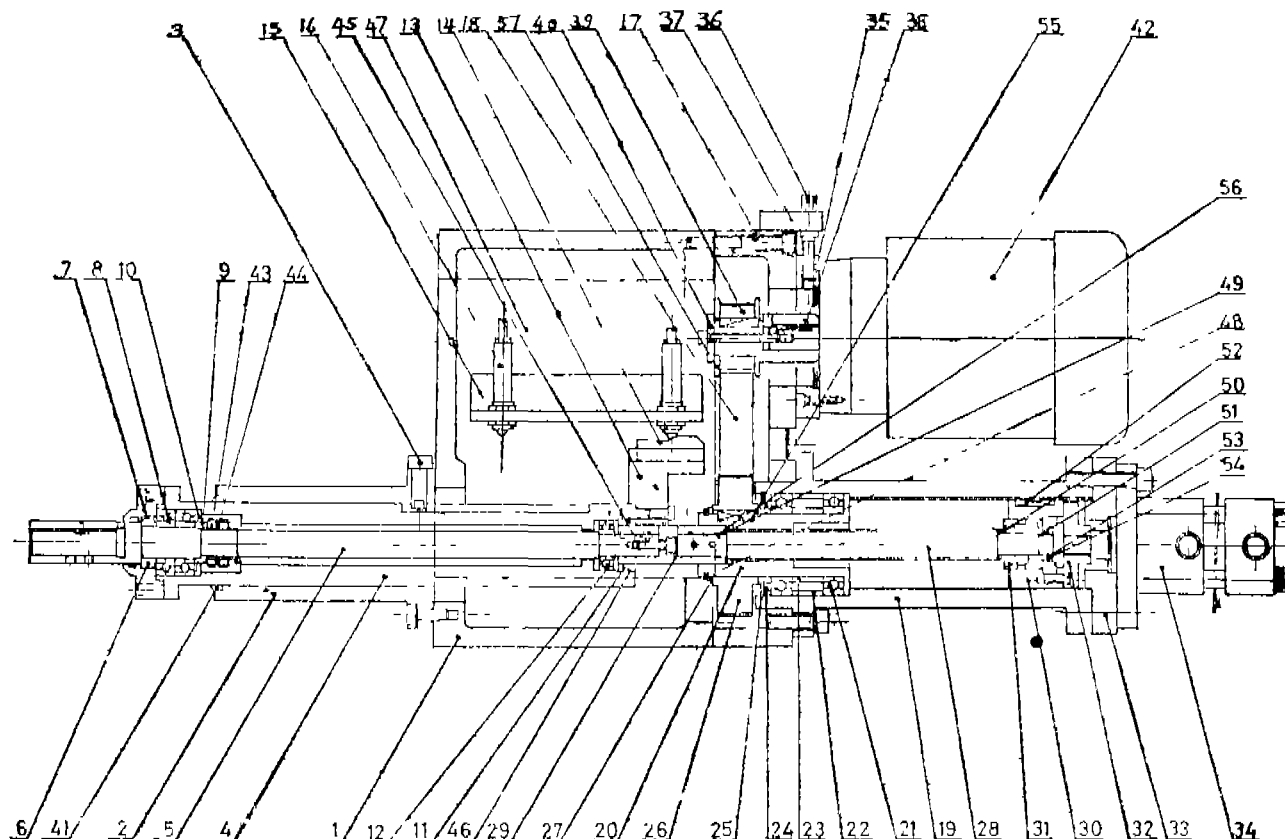
Application No. 186/MAS/89 filed November 6, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 3 Claims

A hydraulic quill feed unit for drilling operation comprising a quill (4) in which a spindle (5) is housed on bearings, the end of the spindle (5) being connected to splined shaft (28), a splined bush (20) slidingly fitted over the splined shaft (28) coupled to a hydraulic cylinder (34) and an electric motor (42) couple to the spindle (5) through a timing belt and pulley drive, a plurality of cams (14) fixed

to the quill (4), the cams (14) actuating the micro switches (16) on linear movement of the quill wherein upon starting the motor (42) and hydraulic cylinder (34), the spindle rotates, and the quill advances rapidly for positioning the spindle (5) over the work piece, the slow feed drilling operation being controlled by microswitches upon actuation by the cams (14), the quill withdrawing the spindle upon actuation by the cam-Micro switch assembly when the pre-determined depth of drilling is achieved



(Com. - 5 pages; Drawgs. - 1 sheet of size 33.00 cms. by 41.00 cms.)

# CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT 1970

The Claim made by The DIAMOND TRADING CO. LTD., in respect of Patent Application No. 810/MAS/88 (173151) has been allowed.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Patent Office, Calcutta, and its branches at Bombay, Madras, and Delhi at two rupees per copy :—

(1)

161831 161832 161833 161834 161835 161836 161837 161838  
161839 161840 161841 161842 161843 161844 161845 161846  
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161907 161908 161909 161910 161911 161912 161913 161914  
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161923 161924 161925 161926 161927 161928 161929 161930  
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## PATENT SEALED

ON 21-01-1994

164044 164474\* 170138 171706 171711 171713 171715  
171716 171718 171723 171724 171727 171734 171745\*D  
171746\*D 171747\*D 171748\*F 171749\*D 171750\* 171751\*D  
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171760 171762 171763 171769 171770 171774\* 171812  
171835\* 171866\* 171897\*.

CAL: 10, MAS: 11, BOM: 15 and DEL: 00.

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D: DRUG PATENT, F: FOOD PATENT.

## RENEWAL FEES PAID

149298 150359 153247 154490 155851 155922 156101 156181  
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 159942 160861 160862 161103 161410 162141 162400 162777  
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## CESSATION OF PATENTS

152297 154740 159297 164299 166592 166370 168672 168859  
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 163820 163837 163875 163887 163892 163894 163909 163931  
 163937 163943 163983 163990 163992 163998 163999 164002.

## REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Sec. 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entry.

Class 3. No. 165739. Khantilal Ramniklal Shah of Swastik Trading Co. of Mahavir Nagar, Godown No. 3, Factory Lane, L.T. Road, Borivli (West), Bombay-400092, Maharashtra, India. "Container". June 9, 1993.

Class 3. No. 164830. Polystone (India) of Suvidha Complex, E-4, Commercial Sector, Shastri Nagar, Jodhpur-342003, Rajasthan, India, Indian Partnership Firm. "Backrest". September 30, 1992.

Class 3. No. 165831. Pulmotech of C-86, Shastri Nagar, Jaipur-302016, Rajasthan, India, Indian Partnership Firm. "Medical instrument for Asthma patient". September 30, 1992.

Class 3. No. 164832. —do—. "Medical instrument". September 30, 1992.

R. A. ACHARYA

Controller General of Patents Designs and  
Trade Marks

